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(71)Applicant : ISHIHARA SANGYO KAISHA LTD

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(72)Inventor : YAMADA SHUITSU
 KATO MASAYA
 MIYATA KEIZO
 AOYAMA YOSHIYUKI
 SHIKAMA HIROSHI

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(54) POLYPEPTIDE

(57)Abstract:

PURPOSE: To obtain a new human TNF having the same antitumor action as that of human TNF or its converted material but not showing accentuating action on cancer metastasis recognized in the human TNF or the converted material.

CONSTITUTION: In a tumor necrosis factor polypeptide having an amino acid sequence of the formula shown from the 1st Ser shown by sequence number 1 of sequence table to the 155th Leu or its converted substance, a polypeptide comprising an amino acid sequence from the 1st Ser of the sequence number 1 to the 8th Asp or an amino acid sequence of the converted material corresponding to the polypeptide containing at least one cell adhesive peptide of laminin and replaced with an amino acid sequence containing 5-30 amino acids, its converted polypeptide, plasmid, transformant, production thereof, medicine compound or DNA.

Ser	His	Ser	Arg	Thr	Phe	Ser	Arg	Lys	Pro	Val	Ala	Glu	Val	Val	Ala
1			5						10					15	
Asn	Pro	Glu	Ala	Glu	Gly	Gln	Leu	Gln	Tyr	Leu	Asn	Arg	Arg	Ala	Asn
			20						25					30	
Ala	Leu	Leu	Ala	Asn	Gly	Val	Thr	Leu	Arg	Asp	Asn	Gln	Ileu	Val	Arg
			35						40					45	
Pro	Ser	Glu	Gly	Leu	Tyr	Leu	Ile	Tyr	Ser	Glu	Val	Leu	Phe	Lys	Gly
			50						55					60	
Gln	Gly	Gln	Pro	Ser	Thr	Ala	Val	Leu	Leu	Thr	His	Thr	Ile	Ser	Arg
			65						70					75	
Ile	Ala	Val	Ser	Tyr	Gln	Thr	Lys	Val	Asn	Leu	Asn	Ser	Ala	Tyr	Leu
			80						85					90	
Ser	Pro	Gly	Gln	Arg	Glu	Thr	Pro	Gln	Gly	Ala	Glu	Ala	Lys	Pro	Thr
			95						100					105	
Tyr	Glu	Pro	Ile	Tyr	Leu	Gly	Gly	Thr	Pro	Gln	Leu	Lys	Lys	Gly	Asp
			110						115					120	
Arg	Leu	Ser	Ala	Glu	Ala	Asp	Arg	Pro	Asp	Tyr	Leu	Asp	Phe	Ala	Glu
			125						130					135	
Ser	Gly	Gln	Val	Tyr	Phe	Gly	Ile	Ile	Ala	Leu					
			140						145					150	

LEGAL STATUS

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